



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H140354

**Mode:** Highway

**Status:** Submitted

### US-70 (Hwy 70)

**From/Cross Street:** 5th Street

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** Kitchin Street

**Project Category:** Regional Impact

**Length:** 1.08

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$12,504,000

#### Description:

Widen lanes and add center turn lane

**Division(s):** Division 7

**County(s):** ALAMANCE

**MPOS(s)/RPO(s):** Burlington Graham MPO

### Project Location



**Statewide Mobility Total Score: 0**

| Quantitative Score                          | Division Engineer<br>Local Input Points | MPO/RPO Local<br>Input Points |
|---|---|-------------------------------|
| <b>Totals: Weight: 0% Weighted Score: 0</b> | N/A                                     | N/A                           |

**Regional Impact Total Score: 33.31**

| Quantitative Score                               | Division Engineer<br>Local Input Points | MPO/RPO Local<br>Input Points |
|--|---|-------------------------------|
| Accessibility / Connectivity (10%) 10.19         | Percent: 15%<br>Points: 0               | Percent: 15%<br>Points: 100   |
| Congestion (V/C) (25%) 33.07                     |   |                               |
| Safety (10%) 88.73                               |   |                               |
| [Travel Time] Benefit/Cost (25%) 0.62            |   |                               |
| <b>Totals: Weight: 70% Weighted Score: 18.31</b> |   |                               |

**Division Needs Total Score: 15.61**

| Quantitative Score                               | Division Engineer<br>Local Input Points | MPO/RPO Local<br>Input Points |
|--|---|-------------------------------|
| Congestion (V/C) (20%) 33.07                     | Percent: 25%<br>Points: 0               | Percent: 25%<br>Points: 0     |
| Safety (10%) 88.73                               |   |                               |
| [Travel Time] Benefit/Cost (20%) 0.62            |   |                               |
| <b>Totals: Weight: 50% Weighted Score: 15.61</b> |   |                               |

**Project Data \*****Existing Conditions**

|   |                          |
|---|--------------------------|
| Existing Cross-Section:                     |                          |
| Speed Limit:                                | 42                       |
| Length (miles):                             | 1.08                     |
| Facility Type:                              | Arterial                 |
| Access Control:                             | None                     |
| Functional Classification:                  | Other Principal Arterial |
| Terrain Type:                               | Rolling                  |
| Lane Width:                                 | 12                       |
| Paved Shoulder Width:                       | 0                        |
| Roadway has Curb & Gutter?                  | Yes                      |
| Volume (AADT):                              | 15291.87                 |
| Capacity:                                   | 34035.18                 |
| Volume/Capacity Ratio:                      | 0.45                     |
| % Autos:                                    | 95%                      |
| % Trucks:                                   | 5%                       |
| Truck Volume:                               | 739.46                   |
| Crash Density:                              | 99.81                    |
| Crash Severity:                             | 66.58                    |
| Critical Crash Rate:                        | 99.81                    |
| Crash Frequency:                            | 0                        |
| Severity Index:                             | 0                        |
| County Tier Designation:                    | 2                        |
| Non-Interstate STRAHNET Route?              | No                       |
| Average Commuting Time:                     | 19                       |
| Existing Median Type (for Cost Estimation): | Undivided                |
| Pavement Condition Rating:                  | 97                       |
| Actual Congested Speed:                     | 28                       |
| Travel Time Index:                          | 1.61                     |

**Project Benefits**

|  |  |
|--|--|
| Project Cross-Section:                                 | 4F - 4 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks |
| Speed Limit:   | 45   |
| Length (miles):  | 1.08   |
| Facility Type:   | Arterial   |
| Access Control:  | Partial  |
| Functional Classification:                             | Other Principal Arterial   |
| Terrain Type:  | Rolling  |
| DOT Design Lane Width:                                 | 12   |
| DOT Design Paved Shoulder Width:                       | 4  |
| Travel Time Savings for 30 Years (Total):              | 310049.62  |
| Travel Time Savings for 30 Years (Autos):              | 295056.78  |
| Travel Time Savings for 30 Years (Trucks):             | 14992.84   |
| Long-Term Employment:                                  |  |
| % Change in Economy:                                   |  |
| Provides Direct Connection to Transportation Terminal? | No   |
| Does project upgrade how the roadway functions?        | No   |
| In CTP or LRTP?  | No   |
| CTP/LRTP Name:   |  |
| CTP/LRTP Completion Year:                              |  |
| Submitted by:  | Burlington Graham MPO  |

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

| <b>Division</b>              | <b>Percent</b> | <b>Regional Impact</b> | <b>Division Needs</b> |
|------------------------------|----------------|------------------------|-----------------------|
| Division 7                   | 100%           | 0                      | 0                     |
|                              | 0%             | 0                      | 0                     |
|                              | 0%             | 0                      | 0                     |
| <b>TOTAL Division Points</b> |                | <b>0</b>               | <b>0</b>              |

**MPO/RPO**

| <b>MPO/RPO</b>              | <b>Percent</b> | <b>Regional Impact</b> | <b>Division Needs</b> |
|-----------------------------|----------------|------------------------|-----------------------|
| Burlington Graham MPO       | 100%           | 100                    | 0                     |
|                             | 0%             | 0                      | 0                     |
|                             | 0%             | 0                      | 0                     |
| <b>TOTAL MPO/RPO Points</b> |                | <b>100</b>             | <b>0</b>              |

**Project Cost and Source**

|                        |                     |                      |
|------------------------|---------------------|----------------------|
| Construction Cost:     | \$7,630,000         | Cost Estimation Tool |
| Right-of-Way Cost:     | \$4,352,000         | Cost Estimation Tool |
| Utilities Cost:        | \$522,000           | Cost Estimation Tool |
| Total Project Cost:    | \$12,504,000        |                      |
| Other Funding:         | \$0                 | None                 |
| <b>Cost to NCDOT :</b> | <b>\$12,504,000</b> |                      |